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| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for nonprovisional applications under 37 CFR § 1.53(b))</small> | | Attorney Docket No. 501321.01 First Inventor or Application Identifier J seph M. Jedd loh Title SYSTEM AND METHOD FOR ON-BOARD TIMING MARGIN TESTING OF MEMORY MODULES Express Mail Label No. EL 646070300 US | September 12, 2003 22388 U.S. PTO 10/660844 09/12/03 |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | | ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Sheet (+ copy) <small>(Submit an original and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant(s) Claim(s) Small Entity Status 3. <input checked="" type="checkbox"/> Specification [Total Pages] 33 <small>(preferred arrangement set forth below)</small> - Descriptive Title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] 3 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages] 1 a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) 6. <input checked="" type="checkbox"/> Application Data Sheet (37 C.F.R. 1.76) | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer-Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i) 10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 11. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 12. <input type="checkbox"/> English Translation Document (if applicable) 13. <input type="checkbox"/> Preliminary Amendment Total Pages ____ 14. <input checked="" type="checkbox"/> Return Receipt Postcard 15. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 16. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> <u>Check</u> | |
| 18. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information below and in a preliminary amendment <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-In-Part (CIP) of prior Application No.: _____ Filed _____ Prior application information: Examiner _____ Group / Art Unit _____ <input type="checkbox"/> Incorporation By Reference (useable if box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein. | | | |
| CORRESPONDENCE ADDRESS | | | |
| <div style="display: flex; justify-content: space-between;"> <div> Edward W. Bulchis, Esq. Dorsey & Whitney LLP 1420 Fifth Avenue, Suite 3400 Seattle, Washington 98101-4010 (206) 903-8800 phone / (206) 903-8820 fax </div> <div> Customer No. 27,076 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> TYPED or PRINTED NAME <u>Edward W. Bulchis</u> SIGNATURE <u><i>Edward W. Bulchis</i></u> </div> <div> REGISTRATION NO. <u>26,847</u> Date <u>September 11, 2003</u> </div> </div> | | | |

FEE TRANSMITTAL SHEET (FOR FY 2003)

Complete if Known

| | |
|----------------------|-----------------------|
| Express Mail No. | EL 646070300 US |
| Filing Date | Concurrently Herewith |
| First Named Inventor | Joseph M. Jeddeloh |
| Group Art Unit | Not Yet Assigned |
| Examiner | Not Yet Assigned |
| Atty. Docket Number | 501321.01 |

METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☒ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description |
|---------------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 101 | 750 | 201 | 375 | <input checked="" type="checkbox"/> Utility Filing Fee |
| 106 | 330 | 206 | 165 | <input type="checkbox"/> Design Filing Fee |
| 108 | 750 | 208 | 375 | <input type="checkbox"/> Reissue Filing Fee |
| 114 | 160 | 214 | 80 | <input type="checkbox"/> Provisional Filing Fee |
| Subtotal (1) | | | | \$750 |

2. EXTRA CLAIM FEES

| Current Claims | Prior | Extra | Fee | Fee Paid |
|---------------------------|-------|-------|--------------|----------------|
| Total | 50 | - 20 | = 30 x \$ 18 | = \$ 540 |
| Ind. | 9 | - 3 | = 6 x \$ 84 | = \$ 504 |
| Multiple Dependent Claims | | | x \$ | = \$ |
| Subtotal (2) | | | | \$ 1044 |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|---|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent Claim |
| 109 | 84 | 209 | 42 | Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | Reissue claims in excess of 20 and over original patent |

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee paid |
|---------------------------------|----------|--------------|----------|--|---------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Surcharge - Late filing fee or oath | \$ |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | \$ |
| 139 | 130 | 139 | 130 | Non-English specification | \$ |
| 147 | 2,520 | 147 | 2,520 | For Filing a Request for Reexamination | \$ |
| 195 | 300 | 196 | 300 | Publication (early or Republication) | \$ |
| 115 | 110 | 215 | 55 | Extension for reply within first month | \$ |
| 116 | 410 | 216 | 205 | Extension for reply within 2 nd month | \$ |
| 117 | 930 | 217 | 465 | Extension for reply within 3 rd month | \$ |
| 118 | 1,450 | 218 | 725 | Extension for reply within 4 th month | \$ |
| 128 | 1,970 | 280 | 985 | Extension for reply within 5 th month | \$ |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | \$ |
| 121 | 280 | 270 | 140 | Request for oral hearing | \$ |
| 148 | 110 | 248 | 55 | Terminal Disclaimer Fee | \$ |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | \$ |
| 141 | 1,300 | 241 | 650 | Petition to revive - unintentional | \$ |
| 142 | 1,300 | 242 | 650 | Utility/Reissue issue fee (+ advance copies) | \$ |
| 143 | 470 | 243 | 235 | Design issue fee (+ advance copies) | \$ |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | \$ |
| 123 | 50 | 123 | 50 | Petitions related to provisional applications | \$ |
| 126 | 180 | 126 | 180 | Submission of IDS | \$ |
| 581 | 40 | 81 | 40 | Recording each patent assignment per property (times number of properties) | \$40 |
| 179 | 750 | 279 | 375 | Request for Continued Examination (RCE) | \$ |
| Other fee (specify) | | | | | \$ |
| Subtotal (3) | | | | | \$40 |
| Total Amount of Payment: | | | | | \$1834 |

Submitted by:

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Reg. No.: 26,847

Telephone: (206) 903-8800

Signature: *Edward W. Bulchis*

Date: *Sept. 11, 2003*

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph M. Jeddeloh Attorney Docket No.: 501321.01
Filed : September 12, 2003
Title : SYSTEM AND METHOD FOR ON-BOARD TIMING MARGIN TESTING OF
MEMORY MODULES

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 646070300 US, on September 12, 2003, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

DORSEY & WHITNEY LLP



/ for West Courier

EWB:dms

Enclosures:

Postcard
Check
PTO/SB/05 Utility Patent Application Transmittal
Application Data Sheet
Fee Transmittal Sheet (+ copy)
General Authorization
Specification, Claims, Abstract (33 pages)
3 Sheets of Drawings (Figures 1-3)
Declaration
Election and Power of Attorney
Form PTO-1595
Assignment

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph M. Jeddeloh Attorney Docket No.: 501321.01
Filed : Concurrently Herewith
Title : SYSTEM AND METHOD FOR ON-BOARD TIMING MARGIN TESTING OF
MEMORY MODULES

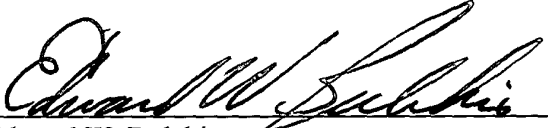
GENERAL AUTHORIZATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date September 11, 2003


Edward W. Bulchis
Registration No. 26,847

EWB:dms

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